



## District Department of the Environment DDOE (KG)

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### MISSION

The mission of the District Department of the Environment (DDOE) is to protect and enhance human health and the environment through preservation, conservation, restoration, education, enforcement, and energy efficient practices to improve the quality of life in the District of Columbia and build a world-class green city.

### SUMMARY OF SERVICES

DDOE is the lead agency for creating, promulgating and enforcing District of Columbia environmental standards, in addition to implementing, through grant requirements and other mechanisms, federal environmental laws and regulations. The Department also provides certification, review and technical analysis services to both the District government and District residents through inspections, training programs, and permitting processes, in addition to providing energy-related policy, planning and direct services. Finally, the Department develops and implements innovative solutions and programs designed to improve environmental quality and sustainability in the District.

### ACCOMPLISHMENTS

✓ **Accomplishment 1 - Protecting our Watershed**

In 2011, DDOE initiated a 1.7-mile long stream restoration project in Watts Branch to reduce the amount of sediment washing into the Anacostia River through stream bank grading, stabilization techniques, which include in-stream rock structures, and expansion of the riparian corridor. This project, the first such initiative undertaken by DDOE, will significantly improve water quality and habitat conditions in the stream. In the same watershed, DDOE completed the ARRA funded Jay Street NE bioretention project that has resolved a flooding issue on Jay St. that no other agency was able to remediate. The project also treats approximately 1.5 acres of impervious service with six bioretention cells. In Hickey Run, DDOE installed a large water quality best management practice (BMP) after more than seven years of design and coordination with the landowner (USDA National Arboretum). Placed at the outfall under New York Avenue, the BMP will remove oil and grease as well as large amounts of trash from the stream before it flows through the arboretum and into the Anacostia River. **Public Safety**

✓ **Accomplishment 2 - Consent Decree with CSX Transportation**

In January 2011, DDOE entered into a Consent Decree with CSX Transportation, Inc., (CSXT) for CSXT to contribute \$8 million to the cleanup of lands in the District, including the sites on the Anacostia River. The enforcement provided that CSXT would contribute \$7.5 million to a fund that DDOE will use to finance cleanup efforts at other private sector and government sites on the Anacostia River, pay a civil penalty of \$500,000, reimburse the DDOE future oversight costs, conduct a site-wide investigation and natural resource damage assessment, and clean up pollutants on or emanating from its Benning Road rail yard. The Consent Decree resulted from claims against CSXT alleging that CSXT caused un-permitted discharges of petroleum products to



its Benning Road site and into the Fort Dupont stream, which in turn, discharges to the Anacostia River. Under the direction of DDOE, CSXT immediately investigated and remediated the site, including designing an improved stormwater management system. **Public Safety**

✓ **Accomplishment 3 - Sustainable Energy Utility Launch**

The District of Columbia Sustainable Energy Utility (DCSEU) is charged with helping District households and businesses save energy and money through energy efficiency and renewable energy programs as well as increase the number of green-collar jobs in the District. With a budget of \$7.4 million (funded by the Sustainable Energy Trust Fund) and within a six-month timeframe in FY 11, the DCSEU successfully implemented three quick-start programs:

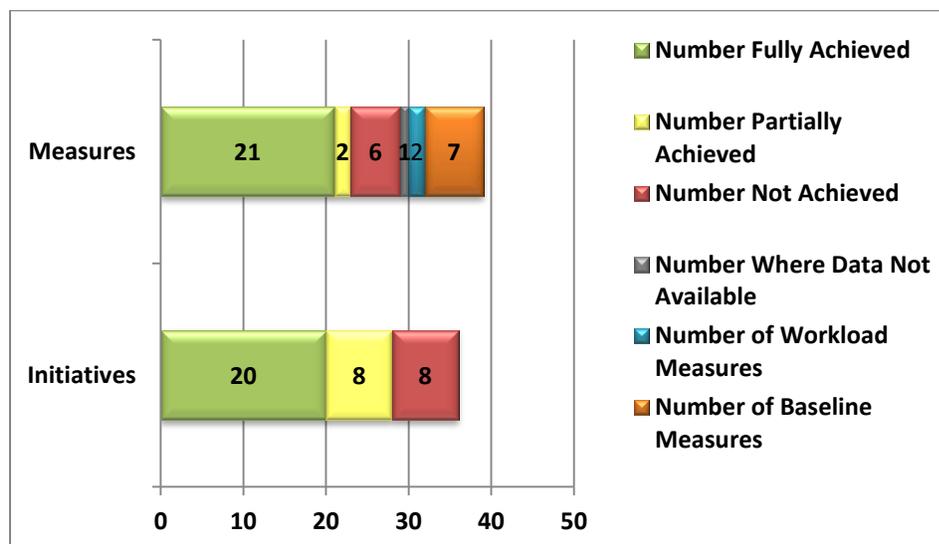
The Low-Income Multifamily Quick-Start Program, which provided more than 4,710 residences energy-efficient upgrade of more than 43,000 CFL bulbs, 10,000 low flow water devices, and 240 Energy Star refrigerators. The Single-Family Residential Quick-Start Program, which provided 169 homes with lighting upgrades, including 432 CFLs, 77 low-flow showerheads, 157 low-flow faucet aerators and 612 linear feet of hot water pipe insulation, 27 hot water tank and pipe insulation, and 249 air sealing and insulation measures. The Small Commercial Direct Install Quick-Start Program, which upgraded more than 16,000 CFLs, 1300 LEDs, 42 pre-rinse spray valves in food preparation kitchens, 300 electric hot water tank and pipe insulation, and 157 ENERGY STAR air conditioners in 754 facilities.

The DCSEU also created the Commercial and Institutional Lost Opportunities Program designed to capture energy efficiency opportunities with large commercial customers making energy choices to replace old equipment, renovate a building, or begin new construction. With the University of the District of Columbia (UDC) they co-piloted demonstration programs, including lighting retrofits, the installation of new energy-efficient light fixtures, and the utilization of a lighting management program to reduce energy consumption at the UDC campus. They also planned and implemented a Renewable Energy Quick-Start Program, installing 15 rooftop photovoltaic systems and three commercial solar hot water systems.

With more than 5,600 energy efficiency projects completed in the District, 75% of all DCSEU spending went to the District's Certified Business Enterprise (CBE) contractors and more than 357 District residents were employed as temporary field staff, permanent office staff, and construction workers. Sixteen local contractors were trained and hired in energy efficient work, thus creating a lasting effect for local DC contractors to gain access to new markets and new customers. Additionally, 48% of the DCSEU's budget was dedicated to low-income residents, which exceeded the contractual requirement of 30%. **Public Safety; and Job Creation**



## OVERVIEW OF AGENCY PERFORMANCE





## Performance Initiatives – Assessment Details

### Performance Assessment Key:



### Office of Policy and Sustainability

#### OBJECTIVE 1: Track and report on government-wide sustainability initiatives.

- **INITIATIVE 1.1: Expand the GreenDC Agenda scope by updating and including new District agency sustainability actions.**

**Fully achieved.** DDOE worked with each of the participating agencies to update the more than 550 action items in summer 2011. Additional information on project lead and timeframe was also collected to expedite future updates. The information update is complete and DDOE staff is working with OCTO to revise the current online Green DC Agenda. Moving forward, the GreenDC Agenda will likely fold into Mayor Gray's sustainability plan.

- **INITIATIVE 1.2: Revise the GreenDC Agenda structure to improve tracking and analysis of District agency progress and contributions.**

**Fully achieved.** The scope of this project has been significantly expanded to include an interactive and informative dashboard for public use. The Green Dashboard, containing data on air quality & climate, energy & buildings, nature, transportation, waste & recycling, and water, was developed in FY 11. The site not only contains interactive charts, but also a large amount of contextual information explaining why the data is important, what it means, how the District's performance could improve, and how we rate relative to other jurisdictions. The Dashboard is complete and under final review by leadership.

- **INITIATIVE 1.3: Integrate outcomes of the Government Operations Climate Action Plan into the GreenDC Agenda.**

**Not achieved.** Both the Government Operations Climate Action Plan and the GreenDC Agenda will be integrated into Mayor Gray's sustainability plan. A skeleton version of the sustainability strategy is scheduled for April 2012 with an implementation and tracking/reporting structure to follow.

#### OBJECTIVE 2: Complete analysis and plan for climate change mitigation and adaptation.

- **INITIATIVE 2.1: Complete Government Operations Climate Action Plan.**

**Not achieved.** Both the Government Operations Climate Action Plan and the GreenDC Agenda will be integrated into Mayor Gray's sustainability plan. A skeleton version of the sustainability strategy is scheduled for April 2012 with an implementation and tracking/reporting structure to follow.

- **INITIATIVE 2.2: Complete Community Climate Action Plan.**

**Not achieved.** The Community Climate Action Plan will be integrated into Mayor Gray's sustainability plan. A skeleton version of the sustainability strategy is scheduled for April 2012 with an implementation and tracking/reporting structure to follow.



**OBJECTIVE 3: Encourage and educate property owners on the benefits and requirements for green building in the District.**

● **INITIATIVE 3.1: Track and report on Green Building Act compliance.**

**Partially achieved.** The progress report on Green Building Act implementation is being finalized and will be available to the public in February. Meanwhile, DDOE is progressing towards full implementation of the District's groundbreaking Energy Performance Benchmarking program for privately-owned buildings, which will require the disclosure and publication of the energy performance of all private buildings over 50,000 square feet. DC is one of only five cities in the country with such a program. In early Fall 2012, DDOE will publish the first public release of data (2011 data from buildings over 200,000 square feet).

**Office of Enforcement and Environmental Justice**

**OBJECTIVE 1: Increase effectiveness of enforcement collections.**

● **INITIATIVE 1.1: Increase the amount collected from fines and penalties by 10%.**

**Fully achieved.** The Office of Enforcement and Environmental Justice (OEEJ) resumed collections for unpaid civil infractions fines and penalties. As a result, DDOE collected more than 16% of the fine revenues in 2011. To buttress the collections effort, OEEJ placed four liens on properties owned by respondents who were delinquent in paying their judgments. DDOE also exceeded its fine revenue target by 10% despite having written 20% fewer civil infractions tickets and dramatically improved its revenue collection rate. In 2010, DDOE collected revenue that was 40% of the dollar amount of tickets written. In 2011, DDOE's collections were 90% of the dollar amount of tickets written.

**OBJECTIVE 2: Improve data management systems.**

● **INITIATIVE 2.1: Revise the central enforcement database.**

**Fully achieved.** The Office of Enforcement and Environmental Justice team developed a comprehensive Civil Infractions Database to record enforcement activity and allow staff quick access to violators' information and history. This led to efficient recording, monitoring, and processing of civil infractions cases. The database also included "exact forms" that created, among other things, completed notices of infraction, Daily Notices of case activity, and Certificates of Service. In 2011, the database included information on approximately 1,000 cases dealing with the agency's civil infractions from 2006 to 2011.

**OBJECTIVE 3: Help improve records management of enforcement programs.**

● **INITIATIVE 3.1: Provide incentive programs and staff education to improve records management.**

**Fully achieved.** OEEJ staff worked with 11 DDOE programs to create file management plans, held a '50 Days to Fabulous Files' contest, and provided records training to staff. Staff also archived 150 feet of files for the Underground Storage Tank program.

● **INITIATIVE 3.2: Test a digitizing project for one program's files.**

**Not achieved.** The requirement for electronic file management plans is being deferred until OEEJ staff can learn more about electronic file management.



## Office of Community Relations

**OBJECTIVE 1: Educate and encourage environmentally-friendly and energy efficient practices to District residents, businesses, institutions and government.**

- **INITIATIVE 1.1: Increase scope of outreach and education programs by ramping up DDOE's presence within social media.**

**Fully achieved.** In 2011, DDOE's social media was recognized by Entrepreneur Evan Carmichael's site – which has aided millions of entrepreneurs in building their business plans and finding resources for their businesses - as one of the 50 top green experts (worldwide!) to follow on Twitter. DDOE joins the ranks of EPA, the House of Representatives, the United Nations Environment Programme, McGraw-Hill Environmental Education, Huffington Post, and TreeHugger.com. Only five other state government pages made the list.

Also in 2011, the American Association of Professional Marketing Professionals awarded the Foliage, DDOE's external e-publication, the Gold Award for outstanding e-publication. Foliage is a quarterly e-publication disseminated to thousands of environmental organizations and advocates, in the US and around the world.

**OBJECTIVE 2: Develop targeted public education campaigns around upcoming DDOE and District initiatives and programs.**

- **INITIATIVE 2.1: Conduct a public education campaign about Environmental Stewardship/Energy Efficiency.**

**Fully achieved.** DDOE conducted a variety of environmental outreach and education efforts in FY 11, including: organizing the Anacostia Environmental Fair, which provides approximately 400 District youth with a meaningful watershed experience; holding school assemblies to teach students about renewable and the energy patrol; and developing videos (available on YouTube) on weatherization and the 1200 First Street NE green roof project. DDOE staff also produced the city's first and only environmental-theme license plate. The license plate is available at the Department of Motor Vehicles for \$25.

- **INITIATIVE 2.2: Develop a point-of-sale rebate campaign for the Appliance Rebate Program.**

**Fully achieved.** The District of Columbia Energy Star Appliance Rebate Program awarded 1,269 rebates for new ENERGY STAR appliances to District residents in FY 11.

- **INITIATIVE 2.3: Implement the Energy Patrol program in all District elementary schools.**

**Partially achieved.** The Saving Energy in DC Schools (SEDS) program educates students in grades 6 through 12 on energy efficient measures, mechanisms, and methods, and works with schools in each of the eight wards of the District. In FY 11, SEDS conducted 40 trainings on energy efficiency and the environment, reaching 400 students and 40 teachers.

## Energy Administration

**OBJECTIVE 1: Reduce the energy burden on the District's most vulnerable and low income populations.**

- **INITIATIVE 1.1: Continue weatherization of low-income homes to increase energy savings for residents.**



**Fully achieved.** The Residential Weatherization and Efficiency Program encourages District residents to use natural gas in a more efficient and cost effective manner by offering incentives for installing energy efficient measures such as door and window replacement, weatherstripping and duct insulation. In FY 11, with a total budget of \$225,594, the program awarded 244 weatherization rebates to District residents. The Weatherization and Rehabilitation Program offers energy audits and installs electricity energy-saving measures in rehabilitated low-income housing units. The program targets non-profits and community-based organizations that provide improvements to multi-family low-income housing units. In FY 11, the program installed 217 energy efficiency measures, exceeding its annual goal of 75 units. The Weatherization Plus Program offers energy audits and installs audit-identified measures such as energy efficient lighting upgrades, insulations, window/door replacement, heat pump repair/replacement, hot water heater replacement/wraps, faucet aerators, showerheads, and programmable thermostats, in low-income dwellings. In FY 11, the program completed 290 energy audits and installations, exceeding the goal of 147 installations.

**OBJECTIVE 2: Facilitate market transformation by providing incentives for energy efficiency and conservation practices and renewable energy generation.**

● **INITIATIVE 2.1: Increase energy efficiency audits to available to District home owners.**

**Fully achieved.** In FY 11, the Home Energy Rating System Program provided 1,269 home energy audits to District homes.

● **INITIATIVE 2.2: Expand and more efficiently administer rebates for energy efficient appliances.**

**Fully achieved.** The District of Columbia Energy Star Appliance Rebate Program awarded 1,269 rebates for new ENERGY STAR appliances to District residents in FY 11. The average time to process rebates was from 4 to 6 weeks.



**INITIATIVE 2.3: Implement the Sustainable Energy Utility.**

**Fully achieved.** The District of Columbia Sustainable Energy Utility (DCSEU) is charged with helping District households and businesses save energy and money through energy efficiency and renewable energy programs as well as increase the number of green-collar jobs in the District. With a budget of \$7.4 million (funded by the Sustainable Energy Trust Fund) and within a six-month timeframe in FY 11, the DCSEU successfully implemented three quick-start programs:

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implemented a Renewable Energy Quick-Start Program, installing 15 rooftop photovoltaic systems and three commercial solar hot water systems.

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### **Environmental Services Administration**

#### **OBJECTIVE 1: Transform DC residential housing into homes that do not contain environmental health hazards.**

- **INITIATIVE 1.1: Eliminate most lead hazards in highest-risk housing through pro-active inspections.**  
**Fully achieved.** DDOE's 3-year initiative is paying early dividends. During FY 11, the Lead and Healthy Housing Division's Associate Director personally trained more than 40 DCRA inspectors on lead enforcement procedures and assisted DCRA with the development of appropriate boilerplate language for DCRA-issued Notices of Violation. As a result of this work, the number of new cases of District children with blood lead levels of concern dropped from 431 cases in FY10 (year 1) to 348 cases in FY11 (year 2).
- **INITIATIVE 1.2: Increase compliance rate with District lead screening requirements.**  
**Fully achieved.** In October 2011, the directors of DDOE, Department of Health and the Department of Health Care Finance co-signed a letter to all District-based pediatricians, health clinics and managed care organizations reminding them of their responsibility, under the law, to screen children under the age of six for lead or face fines and other penalties. Consequently, the D.C. chapter of the American Academy of Pediatrics sent the letter to all 380 of its members and the Department of Health Care Finance to the managed care organizations that serve the Medicaid-enrolled families living in the District. These efforts to increase the District's lead screening compliance rate will be continued in FY 12 through a DDOE screening outreach project funded by DOH.
- **INITIATIVE 1.3: Broaden the Healthy Homes program to address additional hazards.**  
**Fully achieved.** In September 2011, DDOE's Lead and Healthy Housing Division became the nation's first lead poisoning prevention program to use the "Healthy Homes and Lead Poisoning Surveillance System," a new and improved federal database created by the U.S. Center for Disease Control and Prevention (CDC). The Lead and Healthy Housing Division staff can now record the presence of a variety of environmental health threats or other noteworthy characteristics of child-occupied housing.  
In FY 11, DDOE also awarded a Healthy Homes grant to the DC Children and Youth Investment Trust Corporation (CYITC), under which a sub-grantee will undertake comprehensive Healthy Homes measures, including addressing toxic pesticides, household cleaners and second-hand smoke, as well as the presence of mold and other potential health hazards.
- **INITIATIVE 1.4: Seek federal funding and develop community partnerships to expand the**



### **Healthy Homes program.**

**Partially achieved.** In FY11, DDOE's Lead and Healthy Housing Division succeeded in obtaining the District's first-ever federal Healthy Homes grant, from the Centers for Disease Control, effective beginning September 1, 2011 (\$593,000 for 1 year). Under this grant, DDOE will partner with a number of District agencies (including DHCF and DOH) and with the Children's National Medical Center, to identify relevant properties to address for Healthy Homes concerns. DDOE did not apply to the US Department of Housing and Urban Development (HUD) for a similar grant, as the Administration decided that DHCD should be the District agency to apply to HUD for Healthy Homes funding on the District Government's behalf in FY11.

## **OBJECTIVE 2: Improve the Design, Implementation, and Enforcement of Emission Control Programs to Reduce Air Pollution.**

### **● INITIATIVE 2.1: Improve timeliness of issuance of Chapter 2 air quality construction and operation permits.**

**Not achieved.** DDOE's Air Quality Division received approximately 147 complete applications in FY11. Actually, some of these applications were incomplete, but not tracked as such, so this figure is an overestimate. Of these applications, 33 were issued in under 90 days and another 14 were issued in under 100 days. Thus 22% of the applications were issued in the goal timeframe. DDOE continues to work to decrease the turn-around time for these permits.

### **● INITIATIVE 2.2: Continue to reduce diesel emissions within the District.**

**Fully achieved.** In 2011, DDOE's Air Quality Division used stimulus funds from a State Clean Diesel grant to purchase 10 alternatively fueled heavy-duty vehicles: two compressed natural gas (CNG) street sweepers, two CNG trash compactor trucks, and six E85 snow-plow trucks and to develop and launch a publicity campaign, including a website ([www.turnyourengineoff.org](http://www.turnyourengineoff.org)), aimed at truck drivers. An estimated 203 drivers were reached with this campaign. Approximately 800 no-idling signs were designed and fabricated. Enforcers of the District's anti-idling regulation posted about 450 signs to areas identified as having the most idling vehicles. The National Park Service received 50 signs to post on federal properties. And the District's Office of the State Superintendent of Education received 200 signs to post around schools and at their loading docks.

## **OBJECTIVE 3: Return District lands to productive use by effectively managing brownfields and underground storage tanks.**

### **● INITIATIVE 3.1: Facilitate Brownfields redevelopment.**

**Not achieved.** During FY 11, funding was not adequate to complete any environmental assessments. However, in FY 12, funding is available to perform six to eight Phase I assessments. DDOE will continue to work with other District agencies (DMPED, OP, DGS) to identify and prioritize possible properties for assessment and redevelopment.

### **● INITIATIVE 3.2: Structure the Brownfield Tax Credit.**

**Partially achieved.** DDOE has hired a contractor to conduct an analysis of the benefits of implementing the tax incentive elements of the DC Brownfields Revitalization Act, as the first step in structuring the tax credit program.

### **● INITIATIVE 3.3: Reduce Releases from Underground Storage Tanks and Cleanup Existing Contaminated Sites.**



**Fully achieved.** District Underground Storage Tank (UST) facilities improved their combined significant operational compliance release detection and release prevention rates in FY 11. DC's rate following inspections of 73 facilities by DDOE UST inspectors was approximately 75%. This passed the national target of 66% for FY 11. This means more DC underground storage tanks have completed the relevant tests, and have adequate insurance and monitoring systems in place to detect and prevent releases of petroleum to the environment. Additionally, the UST Branch at DDOE implemented and completed the Leaking Underground Storage Tank (LUST) ARRA/Stimulus Grant FY09 – FY11. \$607,000 was awarded for the site assessment and/or cleanup of eligible LUST contaminated sites. The funds were used to clean up three site assessments.

- **INITIATIVE 3.4: Reduce Exposures to Hazardous Materials (Hazardous Wastes and Pesticides)**  
**Not achieved.** Due to budget cuts, including revenue funding cuts, personnel hiring freeze and loss of replacements for permanent personnel vacancies, bedbug forums were not held and the chemical cleanout program was held to a pilot project and will not move forward in FY 12.

### **Natural Resources Administration**

#### **OBJECTIVE 1: Manage nonpoint source pollution / stormwater runoff by promoting Low Impact Development throughout the District of Columbia.**

- **INITIATIVE 1.1: Develop a unified green roof incentive program.**  
**Fully achieved.** In 2011, DDOE reviewed previous versions of DC's green roof subsidy programs for their effectiveness. Based on these experiences a request for application was developed to create a green roof incentive program that unified all property owners and property types under one application process. This program was awarded through a competitive review process and is being managed by the nonprofit partner Anacostia Watershed Society (AWS). Under this grant AWS administers and maintains the DC Green Roof Rebate program, continues to develop and implement a green roof outreach and education strategy to stimulate the green roof market in the District. Under the new unified program, one award has been made and 29 proposed green roof projects have registered and are under evaluation. Registered projects include residential, commercial and government properties and range in size from 125 square feet to 27,500 square feet. If all proposed projects are viable and move forward, the green roof rebate program could incentivize over 90,000 square feet of vegetated roof by the end of 2012.
- **INITIATIVE 1.2: Automate the stormwater and erosion and sediment control plan review process.**  
**Partially achieved.** DDOE staff were provided with software and large-screen monitors in the anticipation of the launch of ProjectDox by DCRA. DCRA also provided training for staff on the software. DCRA is behind schedule in implementing ProjectDox. As a first step, they are testing several trial projects; however, DDOE has not yet been assigned one. DDOE is committed to implementing ProjectDox and will continue to work with DCRA on this effort.
- **INITIATIVE 1.3: Draft TMDL Implementation Plans for the Anacostia River, Potomac River and Rock Creek.**  
**Not achieved.** The EPA issued a final Municipal Separate Storm Sewer System (MS4) Permit to the District in October 2011, which included the requirement to complete a consolidated TMDL Implementation Plan within two years. However, this section of the Permit has been stayed pending an appeal by stakeholders. Upon resolution of the appeal, DDOE will develop a consolidated TMDL Implementation Plan (which will include the Anacostia River, Potomac River and Rock Creek) as directed by EPA.



**OBJECTIVE 2: Improve regulatory compliance through increased enforcement and more efficient customer service.**

● **INITIATIVE 2.1: Increase resolution of illicit discharge detections in the municipal separate storm sewer system (MS4).**

**Fully achieved.** DDOE implemented the program to prevent improper disposal of pollutants into the storm sewer system as required by federal regulations. DDOE works closely with multiple District agencies and programs to improve environmental compliance of automotive repair shops, dry cleaner and laundry shops, with the District's environmental regulations. During FY 11, DDOE increased the number of facility inspected by 47%. DDOE also received and responded to 62 illicit complaints (including emergencies) and took compliance and enforcement actions on 100% of the complaints investigated.

● **INITIATIVE 2.2: Implement enforcement program for Bag Bill Legislation.**

**Fully achieved.** In FY 11, DDOE began to enforce the bag law through inspections of businesses. An online tip line on DDOE's "Skip the Bag, Save the River" webpage allowed the public to report businesses suspected of violating the law. 23% of inspections were based on tips from the public. From approximately 4,765 District businesses required to charge a bag fee, 334 inspections were conducted. The total number of violations issued was 188. In addition, 109 notices of violation for fees were issued, and 13 notices of infraction for failure to charge the 5 cent bag fee.

● **INITIATIVE 2.3: Implement enforcement program for District's ban on coal tar.**

**Fully achieved.** In FY 11, DDOE conducted 25 inspections, with 13 of the inspections resulting from tips from DDOE cross-trained field staff. Of the 25 inspections, seven sites tested positive for coal tar pavement products. These seven sites were issued Notices of Violation and four have successfully completed remediation. Approximately 58,000 square feet of coal tar sealant have been remediated from these properties.

**OBJECTIVE 3: Monitor the health of the District's natural resources.**

● **INITIATIVE 3.1: Expand wildlife and plant surveys to adequately assess District habitats.**

**Fully achieved.** As part of the District's first wildlife management actions to prevent further wildlife species decline, the DDOE team discovered more than 43 dragonfly and damselfly species and 40 moth and butterfly species, six of which are considered species of greatest conservation need (SGCN) as defined in the Wildlife Action Plan. DDOE staff further identified a small population of Eastern Box Turtle (*Terrapene Carolina*), also listed as at a northeast DC site scheduled for development activities and relocated them to a similar habitat site. The relocated turtles were fitted with radio-transmitters and are being tracked regularly for protection as well as to determine their movement patterns.

**OBJECTIVE 4: Encourage the public to protect natural resources through education and outreach.**

● **INITIATIVE 4.1: Conduct an outreach campaign to increase visitors to the Aquatic Resources Education Center.**

**Fully achieved.** The total number of visitors to the Aquatic Resource Education Center (AREC) continues to increase each year. In FY 11 the AREC hosted more than four thousand visitors, a monumental increase from the hundreds of visitors when reporting began in 2009. More than twenty new live animal displays, audio-visual equipment, and a reading were added to the AREC. This upward trend in visitors is expected to continue in FY 12 with the addition of two Fishing in the Schools programs that will use the AREC as a base of operations, and the addition of a new



staff person.

- **INITIATIVE 4.2: Expand Recreational Angling Opportunities.**

**Fully achieved.** The recreational angling records program was successfully launched in 2011; however, no records have been established. In 2012, the Fisheries program will make a concentrated effort to encourage anglers to report noteworthy catches in an effort to populate the record books.

### **Office of the Director**

#### **OBJECTIVE 1: Increase customer satisfaction through efficient business practices.**

*No Initiative for this Objective*

#### **OBJECTIVE 2: Establish and continuously maintain regulations that protect and improve the environment for District residents.**

- **INITIATIVE 2.1: Write and implement additional air pollution control, voluntary cleanup, lead and underground storage tank regulations.**

**Fully achieved.** In FY11 DDOE completed emergency regulations that created an exemption to the prohibition against swimming in the Potomac and Anacostia rivers to allow for triathlons. DDOE also completed certain air pollution control regulations pertaining to volatile organic compounds and emission limits required by the nitrogen oxide State Implementation Plan; as well as regulations for voluntary cleanup, lead, and the stormwater fee rebate program.

#### **OBJECTIVE 3: Develop new tools to meet the District's environmental goals.**

- **INITIATIVE 3.1: Develop Eco-District solutions.**

**Partially achieved.** DDOE, working with the Office of Planning and the Office of the Deputy Mayor for Planning and Economic Development, have actively participated in planning related to the Southwest Eco-District, a joint District and federal program under the leadership of the National Capital Planning Commission. DDOE sits on the steering committee that met throughout FY11. In addition, DDOE partnered with the DowntownDC Business Improvement District to launch and support its downtown eco-district. In coordination with local partners and the Portland Sustainability Institute, DDOE began planning for an eco-district workshop to be held in the District in Spring 2012.

- **INITIATIVE 3.2: Launch the PACE Program.**

**Partially achieved.** In 2011, the Council of the District of Columbia unanimously passed the Energy Efficiency Financing Act of 2010, which provided the authority for the Property Assessed Clean Energy (PACE) program and for the District to issue up to \$250 million in revenue bonds to support private energy efficiency improvements. In May 2011, DDOE executed a contract with Urban Energy Advisors (UEA) to design the commercial PACE program. During the last seven months of FY 11, UEA and DDOE have been working closely with a number of experts and stakeholders (building owners, capital providers, mortgage lenders, trade associations, and other PACE programs across the country) to design a program that is scalable, market-based, and financially self-sustaining. The design phase for the PACE program is scheduled for completion in April 2012, followed by a pilot program starting in summer 2012. The pilot will provided an estimated \$20 million in funding for energy efficiency projects in 4 to 8 commercial buildings. The success of the pilot will determine the official launch date for the PACE program.

- **INITIATIVE 3.3: Structure the Brownfield Tax Credit.**



**Partially achieved.** DDOE has hired a contractor to conduct an analysis of the benefits of implementing the tax incentive elements of the DC Brownfields Revitalization Act, as the first step in structuring the tax credit program.



## Key Performance Indicators – Details

### Performance Assessment Key:

● Fully achieved  
 ● Partially achieved  
 ● Not achieved  
 ● Data not reported  
 ● Workload measure  
 ● Baseline

		Measure Name	FY2010 YE Actual	FY2011 YE Target	FY2011 YE Revised Target	FY2011 YE Actual	FY2011 YE Rating	Budget Program
<b>Office of Policy and Sustainability</b>								
●	1.1	% of District Cabinet agencies reporting Action Items for Green DC Agenda	42.65%	80%		33.87%	42.34%	POLICY AND SUSTAINABILITY
●	1.2	# of sustainability performance measures tracked on public web portal	0	10		22	220%	POLICY AND SUSTAINABILITY
●	3.1	% of private buildings over 50,000 square feet that are benchmarked in EnergyStar portfolio manager	0	25%				POLICY AND SUSTAINABILITY
<b>Office of Community Relations</b>								
●	1.1	% of District residents reached by DDOE Outreach and Education	72.12%	75%		75%	100%	COMMUNITY RELATIONS
●	2.1	# of Appliance Rebate participants	0	TBD		1,811		COMMUNITY RELATIONS
<b>Office of Enforcement</b>								
●	1.1	Amount collected from fines and penalties	\$260,796	\$192,500		\$226,679	117.76%	
●	1.2	compliance rate of enforcement actions processed	0	50%		64.83%	129.66%	ENFORCEMENT AND ENVIRONMENTAL JUSTICE
●	1.3	rate of return on infractions collections	0	70%		44.97%	64.24%	ENFORCEMENT AND ENVIRONMENTAL JUSTICE



		Measure Name	FY2010 YE Actual	FY2011 YE Target	FY2011 YE Revised Target	FY2011 YE Actual	FY2011 YE Rating	Budget Program
<b>Energy Administration</b>								
●	1.1	Total units weatherized	482	550		1,528	277.82%	ENERGY
●	1.2	Average reduction in energy consumption per unit weatherized	16%	5%		25%	500%	ENERGY
●	1.3	Number of households receiving energy assistance	33,550	31,598		28,159		ENERGY
●	2.1	Home Energy Rating System audits performed	93	1250		1269	101.52%	ENERGY
●	2.2	Reduce rebate processing time for energy efficient appliances (in weeks)	0	5 weeks		4-6 weeks	100%	ENERGY
●	2.3	Per-capita energy consumption (Sustainable Energy Utility metric)	NA	Baseline		NA		ENERGY
●	2.4	Renewable energy generating capacity (Sustainable Energy Utility metric)	NA	Baseline		NA		ENERGY
●	2.5	Peak energy demand in the District (Sustainable Energy Utility metric)	NA	Baseline		NA		ENERGY
●	2.6	Energy efficiency of low-income housing (Sustainable Energy Utility metric)	NA	Baseline		NA		ENERGY
●	2.7	Energy demand of District's largest energy users (Sustainable Energy Utility metric)	NA	Baseline		NA		ENERGY
●	2.8	# of green-collar jobs in the District (Sustainable Energy Utility metric)	NA	Baseline		27	NA	ENERGY



		Measure Name	FY2010 YE Actual	FY2011 YE Target	FY2011 YE Revised Target	FY2011 YE Actual	FY2011 YE Rating	Budget Program
<b>Environmental Services Administration</b>								
●	1.1	% of elevated blood level cases and other properties with identified hazards that are issued an Order to Eliminate Lead-Based Paint Hazards within 21 days of the property's risk assessment.	61.67%	60%		90%	150%	ENVIRONMENTAL SERVICES
●	1.2	% of children under 36 months of age being screened for lead poisoning	41%	36%		52%	144.44%	ENVIRONMENTAL SERVICES
●	1.3	Number of cases of children under age six identified with a blood lead level at or above CDC's threshold of concern of 10 micrograms of lead per deciliter of blood	89	75		49	153.06%	ENVIRONMENTAL SERVICES
●	1.4	Confirmed EBLLs as % of District children tested, as compared to national average	0.94%	0.72%		0.3%	240%	ENVIRONMENTAL SERVICES
●	2.1	Number of days in which ozone levels exceed the National Ambient Air Quality Standards.	18	25		10	250%	ENVIRONMENTAL SERVICES
●	2.2	Number of diesel-powered vehicles or engines replaced or retrofitted.	0	20		7	35%	ENVIRONMENTAL SERVICES
●	2.3	# of full-compliance evaluations of Title V facilities	10	17		19	112%	ENVIRONMENTAL SERVICES



		Measure Name	FY2010 YE Actual	FY2011 YE Target	FY2011 YE Revised Target	FY2011 YE Actual	FY2011 YE Rating	Budget Program
●	2.4	Compliance rate of gas stations and drycleaners inspected (%)	0	75%		57.14%	76.19%	ENVIRONMENTAL SERVICES
●	3.1	Number of Brownfields assessments completed	0	10		0		ENVIRONMENTAL SERVICES
●	3.2	# of Significant Operational Compliance (SOC) inspections of underground storage tanks completed	55	60		70	116.67%	ENVIRONMENTAL SERVICES
●	3.3	# of pesticide marketplace inspections	51	56		60	107.14%	ENVIRONMENTAL SERVICES
<b>Natural Resources Administration</b>								
●	1.1	# Participants in RiverSmart Homes Program	1,079	1,200		1,266	105.50%	NATURAL RESOURCES
●	1.2	% of construction plans approved that contain a low impact design component.	51.81%	50%		40.76%	81.52%	NATURAL RESOURCES
●	2.1	# of inspections for stormwater management erosion/sediment control	7,009	8,000		9,364	117.05%	NATURAL RESOURCES
●	2.2	% of drainage complaints responded to within 2 business days	100%	95%		100%	105.26%	NATURAL RESOURCES
●	3.1	# of wildlife surveys	12	12		12	100%	NATURAL RESOURCES
●	3.2	% of illicit discharge complaints investigated within 5 business days	NA	Baseline		95.24%	0%	NATURAL RESOURCES
●	4.1	# of Aquatic Resources Education Center visitors	5,430	1,440		3,479	241.60%	NATURAL RESOURCES



		Measure Name	FY2010 YE Actual	FY2011 YE Target	FY2011 YE Revised Target	FY2011 YE Actual	FY2011 YE Rating	Budget Program
<b>Office of the Director</b>								
●	1.1	% of subgrantee's budget spent on programmatic costs	0	65%		41.83%	64.36%	AGENCY MANAGEMENT PROGRAM
●	1.2	% of scheduled monitoring reports as defined in agency monitoring plan completed for each grant award	0	100%		73.53%	73.53%	AGENCY MANAGEMENT PROGRAM